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APPLICATION NO.	· F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/607,900	. (06/27/2003	William W. King	063718.0279	063718.0279 7200	
31625	7590	10/20/2004	~	EXAM	EXAMINER	
BAKER B			•	DANG, H	DANG, HOANG C	
PATENT DEPARTMENT 98 SAN JACINTO BLVD., SUITE 1500 AUSTIN, TX 78701-4039				ART UNIT	PAPER NUMBER	
				3672	· <u>-</u> · ·	

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
- ,		10/607,900	WILLIAM W. KING				
Office Action	Summary	Examiner	Art Unit				
		Hoang Dang	3672				
	of this communication app	ears on the cover sheet with the c	orrespondence address				
THE MAILING DATE OF - Extensions of time may be available after SIX (6) MONTHS from the may be available after SIX (6) MONTHS from the may be seen that the period for reply specified about the period for reply is specified a Failure to reply within the set or expectation.	FHIS COMMUNICATION. It under the provisions of 37 CFR 1.13 ailing date of this communication. It is less than thirty (30) days, a reply thove, the maximum statutory period we tended period for reply will, by statute, ter than three months after the mailing	IS SET TO EXPIRE 1 MONTH() (6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE (date of this communication, even if timely filed)	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1) Responsive to comr	Responsive to communication(s) filed on 23 October 2003.						
2a) This action is FINAL	This action is FINAL. 2b) ☐ This action is non-final.						
, , ,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4a) Of the above cla 5) Claim(s) is/ar 6) Claim(s) is/ar 7) Claim(s) is/ar	re rejected.	vn from consideration.					
Application Papers							
9) ☐ The specification is o	bjected to by the Examine	r.					
10) The drawing(s) filed	on is/are: a)∏ acce	epted or b) \square objected to by the E	Examiner.				
Applicant may not requ	uest that any objection to the o	drawing(s) be held in abeyance. See	37 CFR 1.85(a).				
· ·	· , ,	ion is required if the drawing(s) is obj aminer. Note the attached Office	• •				
Priority under 35 U.S.C. § 11	9						
a) All b) Some * 1. Certified copie 2. Certified copie 3. Copies of the application from	c) None of: es of the priority documents es of the priority documents certified copies of the prior om the International Bureau	s have been received in Application ity documents have been received	on No ed in this National Stage				
Attachment(s)							
1) Notice of References Cited (PT		4) Interview Summary					
Notice of Draftsperson's Patent Information Disclosure Statemet Paper No(s)/Mail Date	t Drawing Review (PTO-948) ent(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	atent Application (PTO-152)				

Application/Control Number: 10/607,900

Art Unit: 3672

Election/Restrictions

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1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-27, drawn to a method for enhanced decision making based on optimization of a drilling system using an economic factor, classified in class 175, subclass 40.

II. Claims 28-30, drawn to an iterative drilling simulation method for enhanced economic decision making, classified in class 175, subclass 40.

The inventions are distinct, each from the other because of the following reasons:

The claims of Group I do not require the steps of obtaining characteristics of a rock column, specifying characteristics of at least one drilling rig system or/and selecting specified simulation model(s) that are essential to and specifically called for in the claims of Group II.

Conversely, the claims of Group II do not require the steps of determining whether the first economic factor achieves a desired optimization, varying the drilling mechanics parameter such that the iterative drilling simulation generates a second economic evaluation factor and determining whether the second economic evaluation factor achieves the desired optimization that are essential to and specifically called for in the claims of Group I.

- 2. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Art Unit: 3672

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang Dang whose telephone number is 703-308-2149. The examiner can normally be reached on 9:15-5:45 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Bagnell can be reached on 703-308-2151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hoang Dang Primary Examiner

Art Unit 3672